L5: Entry 25 of 62 File: USPT May 23, 2000

US-PAT-NO: 6067539
DOCUMENT-IDENTIFIER: US 6067539 A

TITLE: Intelligent information retrieval system

DATE-ISSUED: May 23, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cohen; Gideon David	Mazor			IL

US-CL-CURRENT: 707/2; 345/968, 707/3, 707/4, 707/6

ABSTRACT:

A system for retrieving information related to a topic of interest, comprising: (a) a finder for finding a location of a computerized source of information, the information being divided into at least one message, such that the source of information is a located source of information, the finder being a self-operated software program; (b) a source repository for storing the location of the located source of information; (c) a sampler for sampling the located source of information by retrieving the at least one message from the located source of information, such that the at least one message is a retrieved message, the sampler being a self-operated software program; (d) a matcher for determining a matching score for the retrieved message, the matcher being a self-operated software program; and (e) a message repository for storing the retrieved message and the matching score.

33 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

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L5: Entry 33 of 62 File: USPT May 18, 1999

US-PAT-NO: 5905775
DOCUMENT-IDENTIFIER: US 5905775 A

TITLE: Statistical distribution of voice mail messages

DATE-ISSUED: May 18, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Polcyn; Michael J.	Allen	TX		

US-CL-CURRENT: 379/88.18; 379/88.22, 379/93.07

ABSTRACT:

There is disclosed a distributed architecture messaging recording system that employs a hierarchy of storage nodes to distribute system utilization across the various nodes of the systems so as to minimize the likelihood of system blockages. The hierarchy may be supplemented by relocation of messages directed toward particular users to a subset of the various nodes. Message relocation may utilize a statistical engine monitoring access to the system, by both system subscribers and by callers leaving messages for the subscribers, to select a subset of the various nodes upon which to relocate messages as well as particular subscribers for which to relocate messages.

66 Claims, 7 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

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L7: Entry 1 of 1 File: USPT Jul 25, 2000

US-PAT-NO: 6094670
DOCUMENT-IDENTIFIER: US 6094670 A

TITLE: Method of extracting and editing message blocks in telecommunications management network and arrangement thereof

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tanaka; Mayumi	Tokyo			JP
Kadoyashiki; Naozoh	Tokyo			JP

US-CL-CURRENT: 709/201; 709/217

ABSTRACT:

In order to extract a message block from a maintenance message applied from a telecommunications network, a plurality of message block extracting masks is prepared. Each of the masks defines at least one position of a message block to be extracted from the maintenance information. The block extracting masks are stored in a first memory. The maintenance message is received and then stored in a second memory. Following this, the maintenance message received is identified. A mask which corresponds to the maintenance message received, is retrieved from the first memory. A message block is extracted using the mask stored in the second memory.

9 Claims, 9 Drawing figures
Exemplary Claim Number: 4
Number of Drawing Sheets: 5

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L5: Entry 23 of 62 File: USPT Oct 17, 2000

US-PAT-NO: 6134582
DOCUMENT-IDENTIFIER: US 6134582 A

TITLE: System and method for managing electronic mail messages using a client-based database

DATE-ISSUED: October 17, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kennedy; Kevin Alan	Redmond	WA		

US-CL-CURRENT: 709/206; 709/203, 709/219

ABSTRACT:

Managing electronic mail messages in a client-server environment. A database, stored at the client, maintains a central archive of message-related information in connection with messages located on the server to support current and future message communication operations between the client and the server. Message-related information is retrieved from the server. Based on the message-related information, a determination is made as to whether the message has been downloaded from the server to the local message store located at the client. In response to determining that the message has not been downloaded, the message is downloaded from the server to the local message store. Data fields in the client-based database are populated with the message-related information, and indications are provided in the client-based database that the message is present on the server and that the message has been downloaded. During subsequent client-server sessions, the database is then consulted for managing, the messages. The database also supports efficient management of messages having multiple message parts i.e., message re-assembly.

37 Claims, 24 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 16

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L19	receiv$3 same (request or inquiry) same (re$calculat$4 or re$generat$3 or re$formulat$3 or re$construct$)same (stored or transmit$4) near5 (transaction or correpondance)	3	L19
L18	receiv$3 same (request or inquiry) same (re$calculat$4 or re$generat$3 or re$formulat$3 or re$construct$)same previous$4 near5 (stored or transmit$4) near5 (transaction or correpondance)	0	L18
L17	L16 and l12	2	L17
L16	((709/217)!.CCLS.)	1462	L16
L15	709/217.ccls	0	L15
L14	L13 and l12	3	L14
L13	((709/206)!.CCLS.)	777	L13
L12	receiv$3 same (request or inquiry) same (re$calculat$4 or re$generat$3 or re$formulat$3 or re$construct$) same (stored or transmit$4) same (e$mail or electronic mail or message)	92	L12
L11	receiv$3 same (request or inquiry) same (re$calculat$4 or re$generat$3 or re$formulat$3 or re$construct$) near5 (stored or transmit$4) near5 (e$mail or electronic mail or message)	3	L11
L10	L9 same template	0	L10
L9	(re$calculat$4 or re$generat$3 or re$formulat$3 or re$construct$) near5 (stored or transmit$4) near5 (e$mail or electronic mail or message)	194	L9
L8	(re$calculat$4 or re$generat$3 or re$formalat$3 or re$construct$) near5 previous$3 near5 (stor$3 or transmit$4) near5 (e$mail or electronic mail or message)	1	L8
L7	l6 same template	1	L7
L6	(extract$3 or retriev$3 or re$calculat$4 or re$generat$3 or re$formalat$3 or re$construct$) near5 previous$3 near5 (stor$3 or transmit$4) near5 (e$mail or electronic mail or message)	82	L6
L5	(extract$3 or retriev$3 or re$calculat$4 or re$generat$3 or re$formalat$3) near5 previous$3 near5 (stored or transmit$4) near5 (e$mail or electronic mail or message)	62	L5
L4	(extract$3 or retriev$3 or re$calculat$4 or re$generat$3 or re$formalat$3) near5 (stored or transmit$4) near5 (e$mail or electronic mail or message)	1883	L4
L3	L2 same template	3	L3
L2	(extract$3 or retriev$3 or re$calculat$4 or re$generat$3 or re$formalat$3) near5 (stored or transmit$4 or saved) near5 (e$mail or electronic mail or message, text or audio or video or transaction)	1851	L2
L1	(extract$3 or retriev$3 or re$calculat$4 or re$generat$3 or re$formalat$3) near5 (stored or transmit$4 or saved) near5 (e$mail or lecetronic mail or message, text or audio or video or transaction)	1808	L1

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